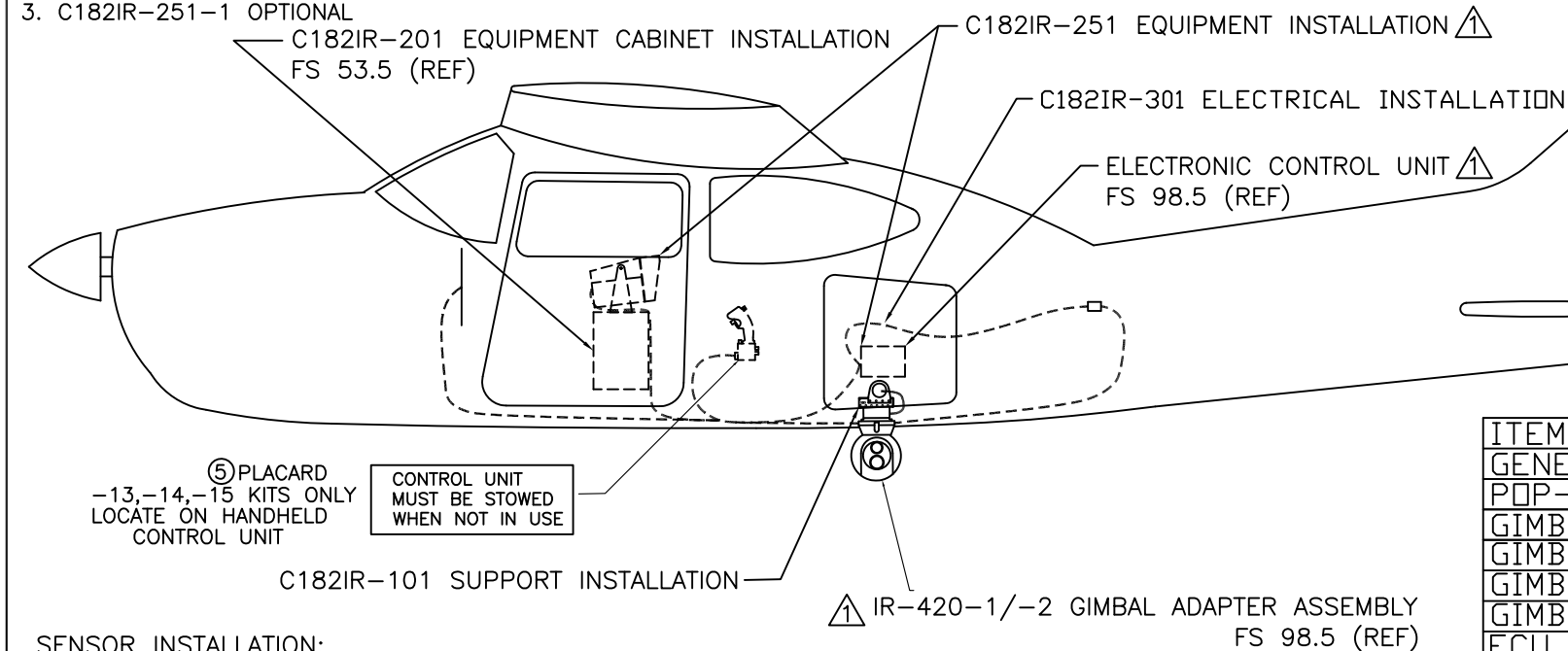


CAMERA SYSTEM MODEL / P/N	INSTALLATION	MODEL EFFECT'Y	SUP'RT INST.	EQUIPM'T CABINET	EQUIPM'T INST.	ELECTRICAL INST.	GIMBAL ADAPTER	NOTES
MK-I: P/N 10369-200 (REF)	C182IR-100-1	R182	C182IR-101-5	C182IR-201-1	C182IR-251-2 (*)	C182IR-301-1	IR-400-1 (*)	2,3
MK-II: P/N 10369-202/204 (REF)	C182IR-100-2	182Q, 182R	C182IR-101-6	C182IR-201-1	C182IR-251-2 (*)	C182IR-301-1	IR-400-1 (*)	2,3
MK-III/U7000: P/N 10369 205/255/206/256(REF)	C182IR-100-5	182S,182T,T182T	C182IR-101-6	C182IR-201-2	C182IR-251-2 (*)	C182IR-301-1	IR-400-1 (*)	2,3
U7500: P/N 17500-200/250 (REF)	C182IR-100-3	R182	C182IR-101-5	C182IR-201-1	C182IR-251-2 (*)	C182IR-301-2	IR-400-1 (*)	2,3
U8000: P/N 19208-204/254 (REF)	C182IR-100-4	182Q, 182R	C182IR-101-6	C182IR-201-1	C182IR-251-2 (*)	C182IR-301-2	IR-400-1 (*)	2,3
U8500: P/N 19208-200/201/250/251 (REF)	C182IR-100-6	182S,182T,T182T	C182IR-101-6	C182IR-201-2	C182IR-251-2 (*)	C182IR-301-2	IR-400-1 (*)	2,3
PDP-200: P/N 1346.00XX.00.00 (REF)	C182IR-100-7	R182	C182IR-101-5	C182IR-201-1	C182IR-251-2 (*)	C182IR-301-3	IR-420-2 (*)	2,3
GENERIC	C182IR-100-8	182Q, 182R	C182IR-101-6	C182IR-201-1	C182IR-251-2 (*)	C182IR-301-3	IR-420-2 (*)	2,3
	C182IR-100-9	182S,182T,T182T	C182IR-101-6	C182IR-201-2	C182IR-251-2 (*)	C182IR-301-3	IR-420-2 (*)	2,3
	C182IR-100-10	R182	C182IR-101-5	C182IR-201-1	NONE	C182IR-301-4	IR-400-2	
	C182IR-100-11	182Q, 182R	C182IR-101-6	C182IR-201-1	NONE	C182IR-301-4	IR-400-2	
	C182IR-100-12	182S,182T,T182T	C182IR-101-6	C182IR-201-2	NONE	C182IR-301-4	IR-400-2	
	C182IR-100-13	R182	C182IR-101-7	C182IR-201-1	C182IR-251-2 (*)	NONE	IR-400-3	
	C182IR-100-14	182Q, 182R	C182IR-101-8	C182IR-201-1	C182IR-251-2 (*)	NONE	IR-400-3	
	C182IR-100-15	182S,182T,T182T	C182IR-101-8	C182IR-201-2	C182IR-251-2 (*)	NONE	IR-400-3	

NOTES

- △ DOES NOT APPLY TO POP-200
2. IR-400-1 OPTIONAL, IR420-1 OPTIONAL, IR-420-2 OPTIONAL RECOMMENDED
3. C182IR-251-1 OPTIONAL



SENSOR INSTALLATION:

1. SLIDE THE APPLICABLE GIMBAL MOUNT ASSEMBLY, IR-1040-X, INTO THE INSTALLED IR-1010-X SUPPORT BRACKET.
2. SLIP THE SENSOR CABLE(S) THROUGH THE MOUNT ASSEMBLY TUBE. FIT CAPS, IR-1050-1 OR -2 AND IR-1070-1 OR -2, AROUND THE CABLE(S) AND THROUGH THE BRACKET ASSEMBLY.
3. INSTALL IR-1060-1 BOLT THROUGH THE TUBE ASSEMBLY, TIGHTEN TO 25-35 INCH-LB.
4. REMOVE THE LOCK-SHAFT AT THE FORWARD EDGE OF THE GIMBAL MOUNT BRACKET.
5. SLIDE THE GIMBAL SUPPORT PLATE INTO THE MOUNT CHANNELS.
6. RE-INSTALL THE LOCK SHAFT, IN FRONT OF THE SAFETY STOP, AND TIGHTEN. INSTALL THE HAIRPIN CLIP.
7. INSTALL THE SENSOR CABLE(S) TO THEIR PROPER RECEPTACLE(S) ON THE GIMBAL.

NOTE: REFER TO FLIR/INFRAMETRICS/IAI DATA TO ENSURE PROPER CABLE INSTALLATION.

WHEN SENSOR IS NOT INSTALLED, STOW CABLE(S) ON BLANK RECEPTACLE(S).

ELECTRONIC CONTROL UNIT (ECU) INSTALLATION

1. REMOVE CLIP FROM RAIL ASSEMBLY IN ECU MOUNT (TOP OF BRACKET ASSEMBLY IN BAGGAGE COMPARTMENT). MOVE THE SLIDING SHAFTS AWAY FROM THE KEYHOLES IN THE RAIL ASSEMBLY.
2. FIT THE BUTTONS ON THE ECU INTO THE KEYWAYS, AND SLIDE THEM INTO THE KEYWAY SLOTS.
3. MOVE THE SLIDING SHAFTS AGAINST THE ECU AND TIGHTEN THE LOCK KNOBS. REPLACE THE CLIP.
4. INSTALL SYSTEM CABLES.

NOTE: REFER TO FLIR/INFRAMETRICS/IAI DATA TO ENSURE PROPER CABLES INSTALLATION.

-CONFIDENTIAL INFORMATION-
THE INFORMATION AND DATA CONTAINED HEREIN
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AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED
FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR
WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

N/C

(*) SEE ABOVE NOTES

SHT	REV	ECO	DATE	DESCRIPTION	BY	APR	CHK
1	A		07/25/97	CABINET F.S. WAS 53.5		REB	LS
1	B		01/12/98	ADDED -2 INST'N.		REB	LS
1	C		10/31/00	DELETED SHT2, UPDATED FORMAT		MR	LS
1	D		07/16/02	ADDED -3/-4 INSTALLATIONS TO INCLUDE MK-III/U7000 AND U7500 CAMERA SYSTEMS. UPDATED W&B DATA.		GP	JB
1	E		11/20/03	ADDED -5 & -6 INSTALLATIONS FOR 182T (-201-2), ADDED IR-420-1.		RJY	LS
1	F		01/05/04	ADDED -7 THRU -9 INSTALLATIONS TO INCL. U8000 AND U8500 CAMERA SYSTEMS.		RJY	LS
1	G		04/06/04	ADDED -10 THRU -12 INSTALLATIONS TO INCLUDE PDP-200 CAMERA SYSTEMS.		RJY	LS
1	H		05/28/04	ADDED IR-420-2 APPLICABILITY.		RJY	LS
1	J		08/18/08	ADDED CESSNA MODELS 182Q, 182S. REFERENCE TO ICA, PR-C182IR-120M		REB	LS
1	K		01/30/2009 05/06/2010 01/22/2013	NOTE 2, INDICATE IR-420-2 RECOMMENDED. TYPD, -7 INSTN INDICATED APP'Y WAS 182Q, 182R. SENSOR STEP 1; IR-1040 AND IR1010 MAY DIFFER WITH INSTALLATION ADDED C182IR-101-5/6 ASSM TO SUPPORT INST	REB	REB	LS
1	L		7/31/2014	REMOVED C182IR-101 -1 THRU -4 SUP'RT INST. FROM THE TABLE.	DGW	DGW	LS
1	M		10/03/2014	ADDED -13, -14 & -15 FOR A GENERIC CAMERA.	ZT	JT	LS
1	M	1	12/03/2014	CHANGED IR-400-2 TO IR-400-3 FOR -13,-14,-15. ADDED #5 PLACARD	JT	JT	LS

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
REFER TO DOCUMENT PR-C182IR-120M

WEIGHT AND BALANCE DATA:
NOTE: WEIGHT AND BALANCE CALCULATIONS MUST INCLUDE INSTALLED EQUIPMENT.

ITEM	WT. (LBS)	F.S. (IN)	MOMENT (LB-IN)
GENERIC MAX Cd=0.85 Swet=137in^2 HEIGHT=14.3in	37.1	98.5	3654
PDP-200	36.4	98.5	3585
GIMBAL U8000/U8500	29.0	98.5	2857
GIMBAL U7500	26.4	98.5	2600
GIMBAL MK III/U7000	26	98.5	2561
GIMBAL MK I, MK II	28	98.5	2758
ECU U8500	15.5	98.5	1527
ECU U8000	14.9	98.5	1468
ECU MK III/U7000, U7500	8.5	98.5	837
ECU MK I, MK II	11.0	98.5	1084
GIMBAL SUPPORT TUBE	5.0	98.5	493
IR-400-1 GIMBAL ADAPTER	4.0	98.5	394
IR-400-2 GIMBAL ADAPTER	1.2	98.5	118
IR-420-1 GIMBAL ADAPTER	9.1	98.5	896
IR-420-2 GIMBAL ADAPTER	8.2	98.5	808

NOTE: EQUIPMENT CABINET WEIGHT VARIES DEPENDING ON CABINET COMPONENT INSTALLATION. CABINET AND INSTALLED COMPONENTS SHOULD BE WEIGHED AND NOTED PRIOR TO EACH INSTALLATION. TOTAL WEIGHT OF CABINET INSTALLATION MUST NOT EXCEED 38-lbs.

Paravion®
Technology Inc.

TITLE
C182IR SYSTEM
CONFIGURATION

DRAWING NO.
C182IR-100

DIMENSIONS IN INCHES

TOLERANCES EXCEPT
WHERE NOTED:

.X = ± .1
.XX = ± .05
.XXX = ± .010

ANGLES = ± 1°

DRAWN BY	APRVD BY	CHK'D BY	DATE	REV	ECO
RHSM	REB	LS	02/25/97	M	1

DO NOT SCALE DRAWING

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SHEET
1 OF 1

Bill of Materials

*C182IR-100-1, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-1, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-5	SUPPORT INST'N	1	EA
2	C182IR-201-1	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	C182IR-301-1	ELECTRICAL INST'N	1	EA
5	IR-400-1	IR GIMBAL ASSY (ALT: IR-420-1/-2)	1	EA

Bill of Materials

*C182IR-100-2, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-2, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-6	SUPPORT INST'N	1	EA
2	C182IR-201-1	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	C182IR-301-1	ELECTRICAL INST'N	1	EA
5	IR-400-1	IR GIMBAL ASSY (ALT: IR-420-1/-2)	1	EA

Bill of Materials

*C182IR-100-3, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-3, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-5	SUPPORT INST'N (ALT: C182IR-101-1)	1	EA
2	C182IR-201-1	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	C182IR-301-2	ELECTRICAL INST'N	1	EA
5	IR-400-1	IR GIMBAL ASSY (ALT: IR-420-1/-2)	1	EA

Bill of Materials

*C182IR-100-4, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-4, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-6	SUPPORT INST'N (ALT: C182IR-101-2)	1	EA
2	C182IR-201-1	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	C182IR-301-2	ELECTRICAL INST'N	1	EA
5	IR-400-1	IR GIMBAL ASSY (ALT: IR-420-1/-2)	1	EA

Bill of Materials

*C182IR-100-5, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-5, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-6	SUPPORT INST'N	1	EA
2	C182IR-201-2	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	C182IR-301-1	ELECTRICAL INST'N	1	EA
5	IR-400-1	IR GIMBAL ASSY (ALT: IR-420-1/-2)	1	EA

Bill of Materials

*C182IR-100-6, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-6, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-6	SUPPORT INST'N (ALT: C182IR-101-2)	1	EA
2	C182IR-201-2	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	C182IR-301-2	ELECTRICAL INST'N	1	EA
5	IR-400-1	IR GIMBAL ASSY (ALT: IR-420-1/-2)	1	EA

Bill of Materials

*C182IR-100-7, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-7, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-5	SUPPORT INST'N (ALT: C182IR-101-1)	1	EA
2	C182IR-201-1	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	C182IR-301-3	ELECTRICAL INST'N	1	EA
5	IR-420-2	IR GIMBAL ASSY (ALT: IR-400-1, IR-420-1)	1	EA

Bill of Materials

*C182IR-100-8, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-8, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-6	SUPPORT INST'N (ALT: C182IR-101-2)	1	EA
2	C182IR-201-1	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	C182IR-301-3	ELECTRICAL INST'N	1	EA
5	IR-420-2	IR GIMBAL ASSY (ALT: IR-400-1, IR-420-1)	1	EA

Bill of Materials

*C182IR-100-9, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-9, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-6	SUPPORT INST'N (ALT: C182IR-101-2)	1	EA
2	C182IR-201-2	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	C182IR-301-3	ELECTRICAL INST'N	1	EA
5	IR-420-2	IR GIMBAL ASSY (ALT: IR-400-1, R-420-1)	1	EA

Bill of Materials

*C182IR-100-10, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-10, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-5	SUPPORT INST'N	1	EA
2	C182IR-201-1	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-301-4	ELECTRICAL INST'N	1	EA
4	IR-400-2	IR GIMBAL ASSY	1	EA

Bill of Materials

*C182IR-100-11, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-11, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-6	SUPPORT INST'N	1	EA
2	C182IR-201-1	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-301-4	ELECTRICAL INST'N	1	EA
4	IR-400-2	IR GIMBAL ASSY	1	EA

Bill of Materials

*C182IR-100-12, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-12, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-6	SUPPORT INST'N	1	EA
2	C182IR-201-2	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-301-4	ELECTRICAL INST'N	1	EA
4	IR-400-2	IR GIMBAL ASSY	1	EA

Bill of Materials

*C182IR-100-13, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-13, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-7	SUPPORT INST'N	1	EA
2	C182IR-201-1	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	IR-400-3	IR GIMBAL ASSY	1	EA
5	CAM-6275-11	PLACARD	1	EA

Bill of Materials

*C182IR-100-14, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-14, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-8	SUPPORT INST'N	1	EA
2	C182IR-201-1	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	IR-400-3	IR GIMBAL ASSY	1	EA
5	CAM-6275-11	PLACARD	1	EA

Bill of Materials

*C182IR-100-15, REV. M ECO1

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*C182IR-100-15, REV. M ECO1	C182IR SYSTEM CONFIGURATION	1	KIT
1	C182IR-101-8	SUPPORT INST'N	1	EA
2	C182IR-201-2	EQUIPMENT CABINET INST'N	1	EA
3	C182IR-251-2	EQUIPMENT INST'N	1	EA
4	IR-400-3	IR GIMBAL ASSY	1	EA
5	CAM-6275-11	PLACARD	1	EA